

SEQUENCE LISTING

<110> Croze, Ed Vogel, David Russell-Harde, Dean

<120> THE USE OF AN INTERFERON RECEPTOR POLYPEPTIDE CHAIN TO ENHANCE THE EFFECTS OF INTERFERONS

<130> Berlx 79

<140>

<141>

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 513

<212> PRT

<213> Murine sp.

<400> 1

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Gly Tyr Pro Asp Glu Pro Cys Thr Ile Asn Ile Thr Ile Arg Asn Ser

Arg Leu Ile Leu Ser Trp Glu Leu Glu Asn Lys Ser Gly Pro Pro Ala
50 55 60

Asn Tyr Thr Leu Trp Tyr Thr Val Met Ser Lys Asp Glu Asn Leu Thr 65 70 75 80

Lys Val Lys Asn Cys Ser Asp Thr Thr Lys Ser Ser Cys Asp Val Thr 85 90 95

Asp Lys Trp Leu Glu Gly Met Glu Ser Tyr Val Val Ala Ile Val Ile 100 105 110

Val His Arg Gly Asp Leu Thr Val Cys Arg Cys Ser Asp Tyr Ile Val 115 120 125

Pro Ala Asn Ala Pro Leu Glu Pro Pro Glu Phe Glu Ile Val Gly Phe 130 135 140

Thr Asp His Ile Asn Val Thr Met Glu Phe Pro Pro Val Thr Ser Lys 145 150 155 160

Ile Ile Gln Glu Lys Met Lys Thr Thr Pro Phe Val Ile Lys Glu Gln
165 170 175

- Ile Gly Asp Ser Val Arg Lys Lys His Glu Pro Lys Val Asn Asn Val 180 185 190
- Thr Gly Asn Phe Thr Phe Val Leu Arg Asp Leu Leu Pro Lys Thr Asn 195 200 205
- Tyr Cys Val Ser Leu Tyr Phe Asp Asp Pro Ala Ile Lys Ser Pro 210 215 220
- Leu Lys Cys Ile Val Leu Gln Pro Gly Gln Glu Ser Gly Leu Ser Glu 225 230 235 240
- Ser Ala Ile Val Gly Ile Thr Thr Ser Cys Leu Val Val Met Val Phe
 245 250 255
- Val Ser Thr Ile Val Met Leu Lys Arg Ile Gly Tyr Ile Cys Leu Lys 260 265 270
- Asp Asn Leu Pro Asn Val Leu Asn Phe Arg His Phe Leu Thr Trp Ile 275 280 285
- Ile Pro Glu Arg Ser Pro Ser Glu Ala Ile Asp Arg Leu Glu Ile Ile 290 295 300
- Pro Thr Asn Lys Lys Lys Arg Leu Trp Asn Tyr Asp Tyr Glu Asp Gly 305 310 315 320
- Ser Asp Ser Asp Glu Glu Val Pro Thr Ala Ser Val Thr Gly Tyr Thr 325 330 335
- Met His Glu Leu Thr Gly Lys Pro Leu Gln Gln Thr Ser Asp Thr Ser 340 345 350
- Ala Ser Pro Glu Asp Pro Leu His Glu Glu Asp Ser Gly Ala Glu Glu 355 360 365
- Ser Asp Glu Ala Gly Ala Gly Ala Glu Pro Glu Leu Pro Thr 370 375 380
- Glu Ala Gly Ala Gly Pro Ser Glu Asp Pro Thr Gly Pro Tyr Glu Arg 385 390 395 400
- Arg Lys Ser Val Leu Glu Asp Ser Phe Pro Arg Glu Asp Asn Ser Ser 405 410 415
- Met Asp Glu Pro Gly Asp Asn Ile Ile Phe Asn Val Ser Leu Asn Ser 420 425 430
- Val Phe Leu Arg Val Leu His Asp Glu Asp Ala Ser Glu Thr Leu Ser 435 440 445
- Leu Glu Glu Asp Thr Ile Leu Leu Asp Glu Gly Pro Gln Arg Thr Glu
 450 455 460
- Ser Asp Leu Arg Ile Ala Gly Gly Asp Arg Thr Gln Pro Pro Leu Pro 465 470 475 480

Ser Leu Pro Ser Gln Asp Leu Trp Thr Glu Asp Gly Ser Ser Glu Lys 485 490 495

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Arg

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<211> 515

<212> PRT

<213> Homo sapiens

<400> 3

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Leu Met Val Tyr Ile Ser Leu Val Phe Gly Ile Ser Tyr Asp Ser Pro 20 25 30

Asp Tyr Thr Asp Glu Ser Cys Thr Phe Lys Ile Ser Leu Arg Asn Phe 35 40 45

Arg Ser Ile Leu Ser Trp Glu Leu Lys Asn His Ser Ile Val Pro Thr 50 55 60

His Tyr Thr Leu Leu Tyr Thr Ile Met Ser Lys Pro Glu Asp Leu Lys 65 70 75 80

Val Val Lys Asn Cys Ala Asn Thr Thr Arg Ser Phe Cys Asp Leu Thr 85 90 95

Asp Glu Trp Arg Ser Thr His Glu Ala Tyr Val Thr Val Leu Glu Gly
100 105 110

Phe Ser Gly Asn Thr Thr Leu Phe Ser Cys Ser His Asn Phe Trp Leu 115 120 125

Ala Ile Asp Met Ser Phe Glu Pro Pro Glu Phe Glu Ile Val Gly Phe 130 135 140

Thr Asn His Ile Asn Val Val Val Lys Phe Pro Ser Ile Val Glu Glu 145 150 155 160

Glu Leu Gln Phe Asp Leu Ser Leu Val Ile Glu Glu Gln Ser Glu Gly
165 170 175

Ile Val Lys Lys His Lys Pro Glu Ile Lys Gly Asn Met Ser Gly Asn 180 185 190

Phe Thr Tyr Ile Ile Asp Lys Leu Ile Pro Asn Thr Asn Tyr Cys Val 195 200 205

Ser Val Tyr Leu Glu His Ser Asp Glu Gln Ala Val Ile Lys Ser Pro 210 215 220

Leu Lys Cys Thr Leu Leu Pro Pro Gly Gln Glu Ser Glu Ser Ala Glu 225 230 235 240

Ser Ala Lys Ile Gly Gly Ile Ile Thr Val Phe Leu Ile Ala Leu Val 245 250 255

Leu Thr Ser Thr Ile Val Thr Leu Lys Trp Ile Gly Tyr Ile Cys Leu 260 265 270

Arg Asn Ser Leu Pro Lys Val Leu Asn Phe His Asn Phe Leu Ala Trp 275 280 285

Pro Phe Pro Asn Leu Pro Pro Leu Glu Ala Met Asp Met Val Glu Val 290 295 300

Ile Tyr Ile Asn Arg Lys Lys Lys Val Trp Asp Tyr Asn Tyr Asp Asp 305 310 315 320

Glu Ser Asp Ser Asp Thr Glu Ala Ala Pro Arg Thr Ser Gly Gly Gly 325

Tyr Thr Met His Gly Leu Thr Val Arg Pro Leu Gly Gln Ala Ser Ala 340 345 350

Thr Ser Thr Glu Ser Gln Leu Ile Asp Pro Glu Ser Glu Glu Pro 355 360 365

Asp Leu Pro Glu Val Asp Val Glu Leu Pro Thr Met Pro Lys Asp Ser 370 375 380

Pro Gln Gln Leu Glu Leu Leu Ser Gly Pro Cys Glu Arg Arg Lys Ser 385 390 395 400

Pro Leu Gln Asp Pro Phe Pro Glu Glu Asp Tyr Ser Ser Thr Glu Gly 405 410 415

Ser Gly Gly Arg Ile Thr Phe Asn Val Asp Leu Asn Ser Val Phe Leu 420 425 430

Arg Val Leu Asp Asp Glu Asp Ser Asp Asp Leu Glu Ala Pro Leu Met 435 440 445

Leu Ser Ser His Leu Glu Glu Met Val Asp Pro Glu Asp Pro Asp Asn 450 455 460

Val Gln Ser Asn His Leu Leu Ala Ser Gly Glu Gly Thr Gln Pro Thr 465 470 475 480

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Asp Gln Ser Asp Thr Ser Glu Ser Asp Val Asp Leu Gly Asp Gly Tyr 500 505 510

Ile Met Arg 515

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<211> 2636

<212> DNA

<213> Homo sapiens

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gtgtatatca gcctcgtgtt tggtatttca tatgattcgc ctgattacac agatgaatct 180 tgcactttca agatatcatt gcgaaatttc cggtccatct tatcatggga attaaaaaac 240 cactccattg taccaactca ctatacattg ctgtatacaa tcatgagtaa accagaagat 300 ttgaaggtgg ttaagaactg tgcaaatacc acaagatcat tttgtgacct cacagatgag 360 tggagaagca cacacgaggc ctatgtcacc gtcctagaag gattcagcgg gaacacaacg 420 ttgttcagtt gctcacacaa tttctggctg gccatagaca tgtcttttga accaccagag 480 tttgagattg ttggttttac caaccacatt aatgtggtgg tgaaatttcc atctattgtt 540 gaggaagaat tacagtttga tttatctctc gtcattgaag aacagtcaga gggaattgtt 600 aagaagcata aacccgaaat aaaaggaaac atgagtggaa atttcaccta tatcattgac 660 aagttaattc caaacacgaa ctactgtgta tctgtttatt tagagcacag tgatgagcaa 720 gcagtaataa agtctccctt aaaatgcacc ctccttccac ctggccagga atcagaatca 780 gcagaatctg ccaaaatagg aggaataatt actgtgtttt tgatagcatt ggtcttgaca 840 agcaccatag tgacactgaa atggattggt tatatatgct taagaaatag cctccccaaa 900 gtcttgaatt ttcataactt tttagcctgg ccatttccta acctgccacc gttggaagcc 960 atggatatgg tggaggtcat ttacatcaac agaaagaaga aagtgtggga ttataattat 1020 gatgatgaaa gtgatagega tactgaggea gegeecagga caagtggegg tggetatace 1080 atgeatggae tgaetgteag geetetgggt caggeetetg ceaectetae agaateeeag 1140 ttgatagacc cggagtccga ggaggagcct gacctgcctg aggttgatgt ggagctcccc 1200 acgatgccaa aggacagccc tcagcagttg gaactcttga gtgggccctg tgagaggaga 1260 aagagtccac tccaggaccc ttttcccgaa gaggactaca gctccacgga ggggtctggg 1320 ggcagaatta cetteaatgt ggaettaaae tetgtgtttt tgagagttet tgatgaegag 1380 gacagtgacg acttagaagc ccctctgatg ctatcgtctc atctggaaga gatggttgac 1440 ccagaggatc ctgataatgt gcaatcaaac catttgctgg ccagcgggga agggacacag 1500 ccaacctttc ccageccctc ttcagagggc ctgtggtccg aagatgctcc atctgatcaa 1560 agtgacactt ctgagtcaga tgttgacctt ggggatggtt atataatgag atgactccaa 1620 aactattgaa tgaacttgga cagacaagca cctacagggt tctttgtctc tgcatcctaa 1680 cttgctgcct tatcgtctgc aagtgttctc caagggaagg aggaggaaac tgtggtgttc 1740 ctttcttcca ggtgacatca cctatgcaca ttcccagtat ggggaccata gtatcattca 1800 gtgcattgtt tacatattca aagtggtgca ctttgaagga agcacatgtg cacctttcct 1860 ttacactaat gcacttagga tgtttctgca tcatgtctac cagggagcag gqttccccac 1920 agtttcagag gtggtccagg accetatgat atttetette tttegttett ttttttttt 1980 ttttttgaga cagagteteg ttetgteace caagetggag egeaatggtg tgatettgge 2040 tegetgeaac atcegeetee egggtteggg tgatteteet geeteageet eeetegeaag 2100 tagctgggat tacaggcgcc tgccaccatg cctagcaaat ttttgtattt ttagtaqaqa 2160 caggattttg ccatgttggc caggctggtc tcgaactcct gacctcaagt gatctgccct 2220 cctcagcctc gtaaagtgct gggattacag gggtgagccg ctgtgcctgg ctggcctgt 2280 gatatttctg tgaaataaat tgggccaggg tgggagcagg gaaagaaaag gaaaatagta 2340 gcaagagctg caaagcaggc aggaagggag gaggagagcc aggtgagcag tggagagaag 2400 gggggccctg cacaaggaaa cagggaagag ccatcgaagt ttcagtcggt gagccttggg 2460 cacctcaccc atgtcacatc ctgtctcctg caattggaat tccaccttgt ccagccctcc 2520 ccagttaaag tggggaagac agactttagg atcacgtgtg tgactaatac agaaaggaaa 2580 catggcgtcg gggagaggga taaaacctga atgccatatt ttaagttaaa aaaaaa 2636